

LDS 730

Synonym: 2-[4-[4-(dimethylamino)phenyl]-1,3-butadieny]-1,3,3-trimethyl-3H-indolium perchlorate; Styryl 6

Catalog No.: 07300

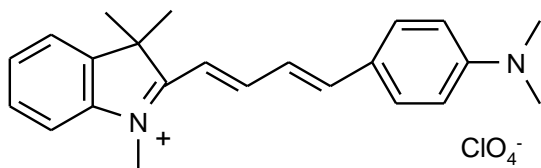
CAS No.: 76433-27-7

Chemical Formula: C₂₃H₂₇N₂.ClO₄

MW: 430.93

Appearance: Bright blue crystalline solid

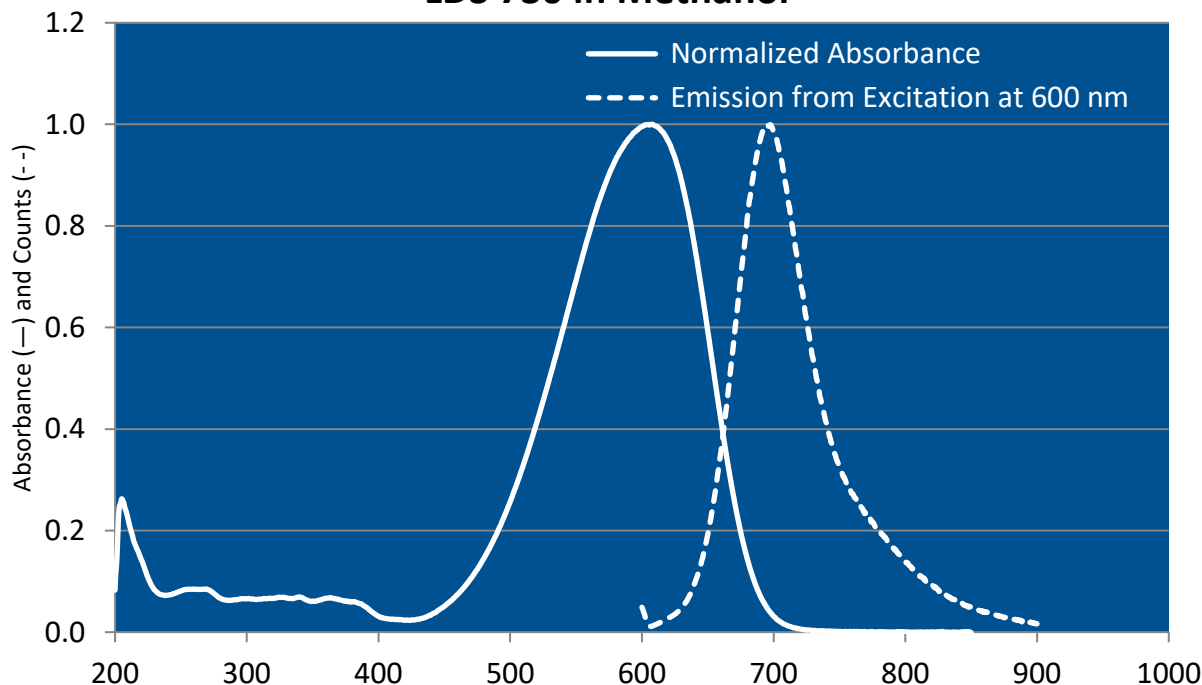
Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Abs λ-max	Fl λ-max
716	692-743	Nd:YAG(532) ⁵⁷	Methanol	603 ^m	668 ^m
730	685-775	Nd:YAG(532) ⁸³	EG		

EG = ethylene glycol, m = methanol

LDS 730 in Methanol



The information presented above is believed to be accurate but is not a specification. The customer is fully responsible for determining the suitability of this product for use in their application. Exciton, Inc. does not represent that the information is sufficient or complete for any specific application.



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REFERENCES:

57. Quanta-Ray, Note: Quanta-Ray is now incorporated as a part of Spectra-Physics, 1250 W. Middlefield Road, Mountain View, CA 94039
83. High-Efficiency, High-Power Difference-Frequency Generation at 2-4 μm in LiNbO_3 , K. Kato, *IEEE J. Quantum Electron.*, QE16(10), 1017 (1980)

For a current list of biology, biological stain, or biochemistry references for LDS 730 from PubMed, click on the following link:

[LDS 730 or Styryl 6](#)